Ye Wu

List of Publications by Citations

120 papers	7,468 citations	48 h-index	85 g-index
127 ext. papers	8,776 ext. citations	7.8 avg, IF	5.95 L-index

#	Paper	IF	Citations
120	Anthropogenic mercury emissions in China. *Atmospheric Environment*, **2005**, 39, 7789-7806	5.3	536
119	Trends in anthropogenic mercury emissions in China from 1995 to 2003. *Environmental Science & Technology*, **2006**, 40, 5312-8	10.3	370
118	Projections of global mercury emissions in 2050. *Environmental Science & Technology*, **2009**, 43, 2983-8	10.3	308
117	Quantifying the air pollutants emission reduction during the 2008 Olympic games in Beijing. *Environmental Science & Technology*, **2010**, 44, 2490-6	10.3	287
116	Updated emission inventories for speciated atmospheric mercury from anthropogenic sources in China. *Environmental Science & Technology*, **2015**, 49, 3185-94	10.3	285
115	On-road vehicle emissions and their control in China: A review and outlook. *Science of the Total Environment*, **2017**, 574, 332-349	10.2	278
114	Revisiting China's CO emissions after the Transport and Chemical Evolution over the Pacific (TRACE-P) mission: Synthesis of inventories, atmospheric modeling, and observations. *Journal of Geophysical Research*, **2006**, 111,		245
113	Two-decadal aerosol trends as a likely explanation of the global dimming/brightening transition. *Geophysical Research Letters*, **2006**, 33,	4.9	237
112	The impact of transportation control measures on emission reductions during the 2008 Olympic Games in Beijing, China. *Atmospheric Environment*, **2010**, 44, 285-293	5.3	173
111	Anthropogenic and natural contributions to regional trends in aerosol optical depth, 1980–2006. *Journal of Geophysical Research*, **2009**, 114,		172
110	Electric vehicles in China: emissions and health impacts. *Environmental Science & Technology*, **2012**, 46, 2018-24	10.3	149
109	Real-world fuel consumption and CO2 emissions of urban public buses in Beijing. *Applied Energy*, **2014**, 113, 1645-1655	10.7	145
108	On-road vehicle emission control in Beijing: past, present, and future. *Environmental Science & Technology*, **2011**, 45, 147-53	10.3	143
107	Aerosol trends over China, 1980–2000. *Atmospheric Research*, **2008**, 88, 174-182	5.4	140
106	Energy consumption and CO2 emission impacts of vehicle electrification in three developed regions of China. *Energy Policy*, **2012**, 48, 537-550	7.2	132
105	Assessment of vehicle emission programs in China during 1998-2013: Achievement, challenges and implications. *Environmental Pollution*, **2016**, 214, 556-567	9.3	127
104	Historic and future trends of vehicle emissions in Beijing, 1998–2020: A policy assessment for the most stringent vehicle emission control program in China. *Atmospheric Environment*, **2014**, 89, 216-229	5.3	125

103	Well-to-wheels energy consumption and emissions of electric vehicles: Mid-term implications from real-world features and air pollution control progress. *Applied Energy*, **2017**, 188, 367-377	10.7	122
102	Real-world performance of battery electric buses and their life-cycle benefits with respect to energy consumption and carbon dioxide emissions. *Energy*, **2016**, 96, 603-613	7.9	121
101	A study of the emission and concentration distribution of vehicular pollutants in the urban area of Beijing. *Atmospheric Environment*, **2000**, 34, 453-465	5.3	118
100	Real-world fuel consumption and CO2 (carbon dioxide) emissions by driving conditions for light-duty passenger vehicles in China. *Energy*, **2014**, 69, 247-257	7.9	115
99	Evaluating the air quality impacts of the 2008 Beijing Olympic Games: On-road emission factors and black carbon profiles. *Atmospheric Environment*, **2009**, 43, 4535-4543	5.3	104
98	On-road emission factor distributions of individual diesel vehicles in and around Beijing, China. *Atmospheric Environment*, **2011**, 45, 503-513	5.3	98
97	On-road diesel vehicle emission factors for nitrogen oxides and black carbon in two Chinese cities. *Atmospheric Environment*, **2012**, 46, 45-55	5.3	97
96	Potential energy and greenhouse gas emission effects of hydrogen production from coke oven gas in U.S. steel mills. *International Journal of Hydrogen Energy*, **2008**, 33, 1445-1454	6.7	96
95	Energy and emission benefits of alternative transportation liquid fuels derived from switchgrass: a fuel life cycle assessment. *Biotechnology Progress*, **2006**, 22, 1012-24	2.8	92
94	Seasonal and spatial variation of trace elements in multi-size airborne particulate matters of Beijing, China: Mass concentration, enrichment characteristics, source apportionment, chemical speciation and bioavailability. *Atmospheric Environment*, **2014**, 99, 257-265	5.3	88
93	Vertical and horizontal profiles of airborne particulate matter near major roads in Macao, China. *Atmospheric Environment*, **2002**, 36, 4907-4918	5.3	87
92	Progress of Air Pollution Control in China and Its Challenges and Opportunities in the Ecological Civilization Era. *Engineering*, **2020**, 6, 1423-1431	9.7	82
91	Characterization and source apportionment of particulate PAHs in the roadside environment in Beijing. *Science of the Total Environment*, **2014**, 470-471, 76-83	10.2	82
90	Can Euro V heavy-duty diesel engines, diesel hybrid and alternative fuel technologies mitigate NOX emissions? New evidence from on-road tests of buses in China. *Applied Energy*, **2014**, 132, 118-126	10.7	80
89	Air quality and health benefits from fleet electrification in China. *Nature Sustainability*, **2019**, 2, 962-971	22.1	73
88	Chemical characteristics of size-resolved PM□□at a roadside environment in Beijing, China. *Environmental Pollution*, **2012**, 161, 215-21	9.3	72
87	Real-world fuel efficiency and exhaust emissions of light-duty diesel vehicles and their correlation with road conditions. *Journal of Environmental Sciences*, **2012**, 24, 865-74	6.4	70
86	Emission controls and changes in air quality in Guangzhou during the Asian Games. *Atmospheric Environment*, **2013**, 76, 81-93	5.3	69

85	Experimental Assessment of NOx Emissions from 73 Euro 6 Diesel Passenger Cars. *Environmental Science & Technology*, **2015**, 49, 14409-15	10.3	67
84	Total versus urban: Well-to-wheels assessment of criteria pollutant emissions from various vehicle/fuel systems. *Atmospheric Environment*, **2009**, 43, 1796-1804	5.3	64
83	Can propulsion and fuel diversity for the bus fleet achieve the win-win strategy of energy conservation and environmental protection?. *Applied Energy*, **2015**, 147, 92-103	10.7	60
82	VOC from Vehicular Evaporation Emissions: Status and Control Strategy. *Environmental Science & Technology*, **2015**, 49, 14424-31	10.3	60
81	Historical evaluation of vehicle emission control in Guangzhou based on a multi-year emission inventory. *Atmospheric Environment*, **2013**, 76, 32-42	5.3	56
80	On-road emission measurements of reactive nitrogen compounds from heavy-duty diesel trucks in China. *Environmental Pollution*, **2020**, 262, 114280	9.3	55
79	Transition in source contributions of PM exposure and associated premature mortality in China during 2005-2015. *Environment International*, **2019**, 132, 105111	12.9	54
78	Four-Month Changes in Air Quality during and after the COVID-19 Lockdown in Six Megacities in China. *Environmental Science and Technology Letters*, **2020**, 7, 802-808	11	52
77	Intake fraction of PM2.5 and NOX from vehicle emissions in Beijing based on personal exposure data. *Atmospheric Environment*, **2012**, 57, 233-243	5.3	51
76	Assessing the Future Vehicle Fleet Electrification: The Impacts on Regional and Urban Air Quality. *Environmental Science & Technology*, **2017**, 51, 1007-1016	10.3	49
75	Individual trip chain distributions for passenger cars: Implications for market acceptance of battery electric vehicles and energy consumption by plug-in hybrid electric vehicles. *Applied Energy*, **2016**, 180, 650-660	10.7	49
74	Fine-grained vehicle emission management using intelligent transportation system data. *Environmental Pollution*, **2018**, 241, 1027-1037	9.3	49
73	High-resolution mapping of vehicle emissions of atmospheric pollutants based on large-scale, real-world traffic datasets. *Atmospheric Chemistry and Physics*, **2019**, 19, 8831-8843	6.8	48
72	Black carbon at a roadside site in Beijing: Temporal variations and relationships with carbon monoxide and particle number size distribution. *Atmospheric Environment*, **2013**, 77, 213-221	5.3	48
71	Speciation of mercury in FGD gypsum and mercury emission during the wallboard production in China. *Fuel*, **2013**, 111, 621-627	7.1	46
70	Characteristics of On-road Diesel Vehicles: Black Carbon Emissions in Chinese Cities Based on Portable Emissions Measurement. *Environmental Science & Technology*, **2015**, 49, 13492-500	10.3	44
69	Source contributions to ambient concentrations of CO and NOX in the urban area of Beijing. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2001**, 36, 215-28	2.3	41
68	Real-world emissions and fuel consumption of diesel buses and trucks in Macao: From on-road measurement to policy implications. *Atmospheric Environment*, **2015**, 120, 393-403	5.3	40

67	Fuel quality management versus vehicle emission control in China, status quo and future perspectives. *Energy Policy*, **2015**, 79, 87-98	7.2	39
66	Real-world driving cycles and energy consumption informed by large-sized vehicle trajectory data. *Journal of Cleaner Production*, **2019**, 223, 564-574	10.3	38
65	High-resolution simulation of link-level vehicle emissions and concentrations for air pollutants in a traffic-populated eastern Asian city. *Atmospheric Chemistry and Physics*, **2016**, 16, 9965-9981	6.8	36
64	Characterizing particulate polycyclic aromatic hydrocarbon emissions from diesel vehicles using a portable emissions measurement system. *Scientific Reports*, **2017**, 7, 10058	4.9	36
63	Chemical characteristics of airborne particulate matter near major roads and at background locations in Macao, China. *Science of the Total Environment*, **2003**, 317, 159-72	10.2	36
62	Energy consumption and well-to-wheels air pollutant emissions of battery electric buses under complex operating conditions and implications on fleet electrification. *Journal of Cleaner Production*, **2018**, 171, 714-722	10.3	34
61	Environmental Justice Aspects of Exposure to PM2.5 Emissions from Electric Vehicle Use in China. *Environmental Science & Technology*, **2015**, 49, 13912-20	10.3	33
60	Characteristics of black carbon emissions from in-use light-duty passenger vehicles. *Environmental Pollution*, **2017**, 231, 348-356	9.3	28
59	The impact from the direct injection and multi-port fuel injection technologies for gasoline vehicles on solid particle number and black carbon emissions. *Applied Energy*, **2018**, 226, 819-826	10.7	28
58	City-specific vehicle emission control strategies to achieve stringent emission reduction targets in China's Yangtze River Delta region. *Journal of Environmental Sciences*, **2017**, 51, 75-87	6.4	28
57	on□oad measurement of gaseous emissions and fuel consumption for two hybrid electric vehicles in Macao. *Atmospheric Pollution Research*, **2015**, 6, 858-866	4.5	28
56	Evaluating real-world CO and NO emissions for public transit buses using a remote wireless on-board diagnostic (OBD) approach. *Environmental Pollution*, **2016**, 218, 453-462	9.3	27
55	Evaluating the emission status of light-duty gasoline vehicles and motorcycles in Macao with real-world remote sensing measurement. *Journal of Environmental Sciences*, **2014**, 26, 2240-8	6.4	27
54	Estimating the effects of meteorology on PM2.5 reduction during the 2008 Summer Olympic Games in Beijing, China. *Frontiers of Environmental Science and Engineering in China*, **2011**, 5, 331-341		27
53	How ethanol and gasoline formula changes evaporative emissions of the vehicles. *Applied Energy*, **2018**, 222, 584-594	10.7	26
52	Impacts of temporary traffic control measures on vehicular emissions during the Asian games in Guangzhou, China. *Journal of the Air and Waste Management Association*, **2013**, 63, 11-9	2.4	26
51	Could urban electric public bus really reduce the GHG emissions: A case study in Macau?. *Journal of Cleaner Production*, **2018**, 172, 2133-2142	10.3	26
50	Evaluating real-world emissions of light-duty gasoline vehicles with deactivated three-way catalyst converters. *Atmospheric Pollution Research*, **2018**, 9, 126-132	4.5	24

49	Assessment of ethanol blended fuels for gasoline vehicles in China: Fuel economy, regulated gaseous pollutants and particulate matter. *Environmental Pollution*, **2019**, 253, 731-740	9.3	24
48	Joint measurements of black carbon and particle mass for heavy-duty diesel vehicles using a portable emission measurement system. *Atmospheric Environment*, **2016**, 141, 435-442	5.3	23
47	Modeling real-world fuel consumption and carbon dioxide emissions with high resolution for light-duty passenger vehicles in a traffic populated city. *Energy*, **2016**, 113, 461-471	7.9	22
46	Mapping dynamic road emissions for a megacity by using open-access traffic congestion index data. *Applied Energy*, **2020**, 260, 114357	10.7	20
45	Chemical characterization of roadside PM2.5 and black carbon in Macao during a summer campaign. *Atmospheric Pollution Research*, **2014**, 5, 381-387	4.5	19
44	Investigating Real-World Emissions of China□ Heavy-Duty Diesel Trucks: Can SCR Effectively Mitigate NOx Emissions for Highway Trucks?. *Aerosol and Air Quality Research*, **2017**, 17, 2585-2594	4.6	19
43	On-Road Chemical Transformation as an Important Mechanism of NO Formation. *Environmental Science & Technology*, **2018**, 52, 4574-4582	10.3	18
42	Economic and Climate Benefits of Electric Vehicles in China, the United States, and Germany. *Environmental Science & Technology*, **2019**, 53, 11013-11022	10.3	17
41	Real-world gaseous emissions of high-mileage taxi fleets in China. *Science of the Total Environment*, **2019**, 659, 267-274	10.2	17
40	On-highway vehicle emission factors, and spatial patterns, based on mobile monitoring and absolute principal component score. *Science of the Total Environment*, **2019**, 676, 242-251	10.2	16
39	Bufei Huoxue Capsule Attenuates PM2.5-Induced Pulmonary Inflammation in Mice. *Evidence-based Complementary and Alternative Medicine*, **2017**, 2017, 1575793	2.3	16
38	Cradle-to-gate greenhouse gas (GHG) burdens for aluminum and steel production and cradle-to-grave GHG benefits of vehicle lightweighting in China. *Resources, Conservation and Recycling*, **2020**, 152, 104497	11.9	16
37	Mercury emissions from coal combustion in China **2009**, 51-65		15
36	Black carbon pollution for a major road in Beijing: Implications for policy interventions of the heavy-duty truck fleet. *Transportation Research, Part D: Transport and Environment*, **2019**, 68, 110-121	6.4	14
35	Well-to-wheels greenhouse gas and air pollutant emissions from battery electric vehicles in China. *Mitigation and Adaptation Strategies for Global Change*, **2020**, 25, 355-370	3.9	14
34	New stochastic simulation capability applied to the GREET model. *International Journal of Life Cycle Assessment*, **2008**, 13, 278-285	4.6	13
33	Health benefits of on-road transportation pollution control programs in China. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25370-25377	11.5	13
32	From COVID-19 to future electrification: Assessing traffic impacts on air quality by a machine-learning model. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13

31	On-board monitoring (OBM) for heavy-duty vehicle emissions in China: Regulations, early-stage evaluation and policy recommendations. *Science of the Total Environment*, **2020**, 731, 139045	10.2	12
30	Real-world fuel consumption of light-duty passenger vehicles using on-board diagnostic (OBD) systems. *Frontiers of Environmental Science and Engineering*, **2020**, 14, 1	5.8	12
29	Measurement of particulate polycyclic aromatic hydrocarbon emissions from gasoline light-duty passenger vehicles. *Journal of Cleaner Production*, **2018**, 185, 797-804	10.3	12
28	Well-to-Wheels Results of Energy Use, Greenhouse Gas Emissions, and Criteria Air Pollutant Emissions of Selected Vehicle/Fuel Systems **2006**,		12
27	Mercury emissions from industrial sources in China **2009**, 67-79		12
26	Energy-saving benefits from plug-in hybrid electric vehicles: perspectives based on real-world measurements. *Mitigation and Adaptation Strategies for Global Change*, **2018**, 23, 735-756	3.9	11
25	Evaluating mobile monitoring of on-road emission factors by comparing concurrent PEMS measurements. *Science of the Total Environment*, **2020**, 736, 139507	10.2	10
24	Well-to-wheels total energy and GHG emissions of HCNG heavy-duty vehicles in China: Case of EEV qualified EURO 5 emissions scenario. *International Journal of Hydrogen Energy*, **2020**, 45, 8002-8014	6.7	9
23	Mass concentrations and temporal profiles of PM10, PM2.5 and PM1 near major urban roads in Beijing. *Frontiers of Environmental Science and Engineering*, **2015**, 9, 675-684	5.8	8
22	Air quality and health impacts from using ethanol blended gasoline fuels in China. *Atmospheric Environment*, **2020**, 228, 117396	5.3	8
21	Well-to-Wheels Analysis of Energy Use and Greenhouse Gas Emissions of Hydrogen Produced with Nuclear Energy. *Nuclear Technology*, **2006**, 155, 192-207	1.4	8
20	A data-driven method of traffic emissions mapping with land use random forest models. *Applied Energy*, **2022**, 305, 117916	10.7	6
19	Mitigation potential of black carbon emissions from on-road vehicles in China. *Environmental Pollution*, **2021**, 278, 116746	9.3	5
18	Characterizing start emissions of gasoline vehicles and the seasonal, diurnal and spatial variabilities in China. *Atmospheric Environment*, **2021**, 245, 118040	5.3	5
17	Well-to-wheel GHG emissions and mitigation potential from light-duty vehicles in Macau. *International Journal of Life Cycle Assessment*, **2018**, 23, 1916-1927	4.6	4
16	Potential emission reductions by converting agricultural residue biomass to synthetic fuels for vehicles and domestic cooking in China. *Particuology*, **2020**, 49, 40-47	2.8	4
15	Impact of gasoline engine deposits on light duty vehicle emissions: in-use case study in Beijing, China. *Frontiers of Environmental Science and Engineering*, **2012**, 6, 717-724	5.8	3
14	Switching on auxiliary devices in vehicular fuel efficiency tests can help cut CO2 emissions by millions of tons. *One Earth*, **2021**, 4, 135-145	8.1	3

13	Mobile Measurements of Carbonaceous Aerosol in Microenvironments to Discern Contributions from Traffic and Solid Fuel Burning. *Environmental Science and Technology Letters*,	11	3
12	Variability of fuel consumption and CO2 emissions of a gasoline passenger car under multiple in-laboratory and on-road testing conditions. *Journal of Environmental Sciences*, **2022**,	6.4	2
11	Real-time black carbon emissions from light-duty passenger vehicles using a portable emissions measurement system. *Engineering*, **2021**,	9.7	2
10	Lean Oxygen Gum Simulation Test for Gasoline Detergency and its Correlation with M111 Engine Test **2010**,		1
9	High-resolution mapping of regional traffic emissions using land-use machine learning models. *Atmospheric Chemistry and Physics*, **2022**, 22, 1939-1950	6.8	1
8	Emission mitigation potential from coordinated charging schemes for future private electric vehicles. *Applied Energy*, **2022**, 308, 118385	10.7	1
7	Uncertainty investigation of plume-chasing method for measuring on-road NOx emission factors of heavy-duty diesel vehicles. *Journal of Hazardous Materials*, **2022**, 424, 127372	12.8	1
6	Air quality improvement via modal shift: Assessment of rail-water-port integrated system planning in Shenzhen, China. *Science of the Total Environment*, **2021**, 791, 148158	10.2	1
5	Characterizing spatial variations of city-wide elevated PM and PM concentrations using taxi-based mobile monitoring.. *Science of the Total Environment*, **2022**, 829, 154478	10.2	1
4	Comprehensive characterization of polycyclic aromatic hydrocarbon emissions from heavy-duty diesel vehicles utilizing GC GC-ToF-MS.. *Science of the Total Environment*, **2022**, 155127	10.2	1
3	Asia Pacific road transportation emissions, 1900-2050. *Faraday Discussions*, **2021**, 226, 53-73	3.6	0
2	Comprehensive chemical characterization of gaseous I/SVOC emissions from heavy-duty diesel vehicles using two-dimensional gas chromatography time-of-flight mass spectrometry.. *Environmental Pollution*, **2022**, 119284	9.3	0
1	IMPACTS OF AMBIENT TEMPERATURE AND PRESSURE ON PM2.5 EMISSION PROFILES OF LIGHT-DUTY DIESEL VEHICLES. *International Journal of Nanoscience*, **2012**, 11, 1240037	0.6	